

GenCore version 5.1.3

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OM protein - protein search, using sw model

Run on: October 8, 2002, 16:53:58 ; Search time 45.4191 Seconds
 (without alignments)
 1122.499 Million cell updates/sec

Title: US-09-596-479-5

Perfect score: 2413

Sequence: 1 MSFKNFYLIYVIIIFINSII.....VIVLIFITALCFYCCKNNKI 459

Database : A_Geneseq_032802:*

RESULT 1

AAR77025

ID AAR77025 standard; Protein; 459 AA.

AC AAR77025;

DT 20-APR-1996 (first entry)

DE Canine herpesvirus gC homologue.

KW CHV; glycoprotein gC; vector; attenuation; poxvirus; vaccinia virus;

KW canarypox virus; ALVAC; vCP322; dog; puppy; immunisation; antigen;

KW vaccine.

OS Canine herpesvirus.

FH Key Location/Qualifiers

FT Region 426..451

FT /label= Transmembrane_region

PN WO9526751-A1.

PD 12-OCT-1995.

PF 30-MAR-1995; 95WO-US03982.

PR 29-MAR-1995; 95US-0413118.

PR 30-MAR-1994; 94US-0220151.

PA (VIRO-) VIROGENETICS CORP.

PI Limbach KJ, Paoletti E;

DR WPI; 1995-366131/47.

DR N-PSDB; AAT01403.

PT Nucleic acids encoding canine herpes virus (CHV) gB, gC and gD

PT glyco:proteins - also glyco:proteins and vectors, for the

PT immunisation of neonatal puppies and adult dogs against CHV

PS Example 6; Fig 4A-E; 241pp; English.

CC A canine herpesvirus (CHV) protein has a predicted amino acid

CC sequence (AAR77025) that shows significant homology with the gC

CC glycoprotein of herpesviruses. It is the product of a gene (see

CC AAT01403) isolated by cloning of CHV genomic DNA fragments in

CC pBluescriptSK. CHV glycoprotein gB (AAR77024) and gD (AAR77026)

CC homologues have also been obtd. These glycoproteins, including

CC recombinant glycoproteins expressed from attenuated recombinant

CC virus vectors, e.g. ALVAC recombinant vCP322 (see AAT01407), can be

CC used in antigenic, immunological or vaccine compositions to protect

CC puppies and adult dogs against CHV.

SQ Sequence 459 AA;

Query Match 100.0%; Score 2413; DB 16; Length 459;

Best Local Similarity 100.0%; Pred. No. 2.4e-170;

Matches 459; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSFKNFYLIYVIIIFINSIIITSASTSKPSTPTTIPTSANESPASIDTTITKPISTEANNL 60
 |||||

Db 1 MSFKNFYLIYVIIIFINSIIITSASTSKPSTPTTIPTSANESPASIDTTITKPISTEANNL 60

Qy 61 KSVSTSIKPPKLNKKLLKSKCRDNVIYRPYFSQLEINCTITKKQNLSNPLIELWFKELS 120
 |||||

Db 61 KSVSTSIKPPKLNKKLLKSKCRDNVIYRPYFSQLEINCTITKKQNLSNPLIELWFKELS 120

Qy	121	TYNKTNENVESLKTDISKNILLFSTKNNSDNFYNDFLLGIQNQPVNKYLYGSQFYDNGNI	180
Db	121	TYNKTNENVESLKTDISKNILLFSTKNNSDNFYNDFLLGIQNQPVNKYLYGSQFYDNGNI	180
Qy	181	LLNIKSVDFKTSGIYTWKLYNSNNESIFETFKIQVYAYHSPNVNLKSNPSLYNENYSAIC	240
Db	181	LLNIKSVDFKTSGIYTWKLYNSNNESIFETFKIQVYAYHSPNVNLKSNPSLYNENYSAIC	240
Qy	241	TIANYPLESTEIFWFNDGQPIDKKYIDETYSVWIDGLITRTSILSLPFSEAMESPPNLR	300
Db	241	TIANYPLESTEIFWFNDGQPIDKKYIDETYSVWIDGLITRTSILSLPFSEAMESPPNLR	300
Qy	301	CNVEWYKNSKASKKFSNTVIPKVYYKPFISIKFDNGLAICDAKCVSRENNKLQWLVKDIP	360
Db	301	CNVEWYKNSKASKKFSNTVIPKVYYKPFISIKFDNGLAICDAKCVSRENNKLQWLVKDIP	360
Qy	361	INGDDIISGPCLNHPGLVNIQNKIDISDYDEPVTYKCSIIGYPPIIFPNFYDEKVFDADE	420
Db	361	INGDDIISGPCLNHPGLVNIQNKIDISDYDEPVTYKCSIIGYPPIIFPNFYDEKVFDADE	420
Qy	421	NVSKSMLISITTIIGGAIFVIVLIFITALCFYCSKNNKI	459
Db	421	NVSKSMLISITTIIGGAIFVIVLIFITALCFYCSKNNKI	459